

Pre-Council Meeting
Possible Bond – Stormwater Flood Management
February 5, 2007

Meeting Began at: 9:46 a.m.

Meeting Ended at: 10:07 a.m.

City Council Members Present: Patte Newman, Ken Svoboda, Annette McRoy, Dan Marvin,
Robin Eschliman, Jonathan Cook, Jon Camp

City Council Members Absent: None

City Staff Present: Public Works & Utilities: Karl Fredrickson, Nicole Fleck-Tooze, Ben Higgins;
Finance: Don Herz

INTRODUCTION:

Patte Newman called the meeting to order stating that this Pre-Council is about “Possible Bond – Stormwater Flood Management”.

PRESENTATION:

Karl Fredrickson stated the stormwater improvement bond issue, we are looking at going forward (with Council permission) to place on the ballot for May of this year. The bond issue right now is the only mechanism we have in the City for funding stormwater capital improvements. We have done three bond issues every two years and this would be our fourth.

Nicole Fleck-Tooze stated what is proposed is a \$11.8 million bond issue to fund those projects we’ve identified in the CIP. As a quick reference you should have some handouts, a map showing project locations (Attachment ‘A’), a project list that you will see as an attachment to the Resolution that will be introduced next week (Attachment ‘B’), and a more detailed list showing the break-down between projects and those projects that will be included for the implementation of basin master plans (Attachment ‘C’).

The evaluation of our needs was based on the 12-year planning horizon for infrastructure improvements through the process that was developed by the Mayor’s Infrastructure Finance Committee, laying out what stormwater improvements need to be made both for existing urban area and new growth areas. Projects that are identified on the detailed list were done so using prioritization systems that we developed through engineering peer review committees comprised of local professionals for both the urban drainage system and for implementation of the watershed master plans.

There is about \$11.6 million of the \$11.8 million in projects. Of that there is about \$6 million, or little over half for urban storm drain projects. The remaining \$5.6 million is in four major project areas that are listed on that detailed sheet: 1) Projects to implement Watershed Master Plans; 2) Water Quality BMPs; 3) Floodplain/Floodprone Projects; and 4) Stream Rehabilitation within Parks Properties.

Included in those four projects areas, there’s about \$1.8 million for flood control; a little over half a million for water quality; about \$1.8 million for stream stability which also has a water quality component; and about \$300,000 for conservation easements over floodplain areas which actually addresses flood storage, conveyance, and water quality, all of those functions.

The Lower Platte South Natural Resources District also contributes to many of these projects and we consistently look for grant funding to supplement projects wherever possible, like the 319 grant funds and the others we've received through the Department of Environmental Quality. We also look for other partners where appropriate. As an example, for the 14th & Highway 2 flood control project that's identified, the Governor's budget proposal includes funding to share in the cost of flood control.

Patte Newman: So these funds are leveraged? Do you have any idea what amount of funds you are bringing in from other places, that some of these are matching funds?

Nicole Fleck-Tooze: We probably don't have specifics on this right now. We can pull out the numbers from the Governor's proposal and numbers from the State funds that are coming through LB 1226 and provide those. Our hope is that particularly on the flood control projects, that we may be able to get some Corps of Engineers assistance once we have them identified in our budget.

Nicole Fleck-Tooze stated what we are trying to do here is to have projects that are proposed for this bond issue that are reflecting a balanced and an integrated program that addresses both our existing area and new growth areas, and it also addresses flood management, water quality, and stream stability. As a reminder we are obligated to address water quality as part of our stormwater permit to meet federally mandated requirements. We are beginning the process of our 5-year permit renewal with the State. As we understand, there will be additional requirements to address specific pollutants for the stream reaches that have been identified as impaired by the State, so we expect those obligations to increase.

We do have a virtual tour on the web that we started last summer showing the status of projects approved with the 2005 bond issue. This is regularly updated and we will continue to keep that updated and it will evolve this spring with the projects that will be starting up as soon as the weather permits.

Annette McRoy: Can you explain on the project sheet (Attachment 'C') at the very bottom the rehab work on the Park properties? Is that high priority versus the urban or new developing areas?

Nicole Fleck-Tooze: These Park properties are all within our urban area and what those are addressing are where we have really severe stream degradation. In some cases, like one of the projects we had for the 2005 bond issue, it was threatening infrastructure. It's certainly a huge water quality problem and in some cases its starting to encroach on neighbors. That is the mechanism that we've devised to include those as part of the stormwater bond issue, because that's part of our stream network and making sure that we stabilize those streams is important.

Annette McRoy: So they are being fed in from other areas, the streams, the basins, that run through these park areas.

Nicole Fleck-Tooze: Yes, that is part of our overall stream and stormwater network. So when we have those degrading, we have to find a mechanism to address that.

Annette McRoy: That is our responsibility as opposed to a developer.

Nicole Fleck-Tooze: That's exactly right.

Patte Newman: In the case of Taylor Park, they've been waiting for 20 years to be prioritized.

Annette McRoy: I just wanted to understand if people see Parks on there, they know why are we fixing a stream in a park as opposed to flooding in an urban area.

Nicole Fleck-Tooze: That's right.

Dan Marvin: Can you talk a little bit about the Beal Slough projects along Highway 2? We did the mapping and I'm assuming you are taking the information that you got from the mapping. Are any of the projects that you have proposed, will they change the boundary lines of the 100-year floodplain and will we be able to remove properties from that?

Nicole Fleck-Tooze: Yes, both of those flood control projects that are shown, 14th & Highway 2 and 40th & Highway 2, we would anticipate to reduce the 100-year floodplain boundary.

Dan Marvin: Can you walk through the process of since the approved maps have gone off to FEMA, and we have to come back and approve them again. Would there be map updates that we would have to do?

Nicole Fleck-Tooze: Yes, what we would do is as part of the project we would send the map amendment to FEMA to update those maps and then we would bring forward something locally for adoption that reflected that as well. We cannot change it until the project is complete, but as part of the overall project that would be our intent to bring that forward.

Dan Marvin: What would you anticipate as far property owners who are along Beal Slough that can be removed or what kind of improvements are you thinking?

Nicole Fleck-Tooze: In the 14th & Highway 2 area there is the State Penitentiary and some commercial and industrial development that would benefit from the project. In the 40th & Highway 2 area there are significant number of homes and my recollection there is maybe 40 homes or perhaps more. It sort of depends on the final design, just how narrow we can get it, but it is a significant number in a residential area that could benefit from the project.

Jon Camp: Would you elaborate a little more on your Water Quality Best Management Practice Projects (Attachment 'C'). Your first one there talks about Demonstration Projects for \$125,000.

Nicole Fleck-Tooze: There are two pieces, both intending to address water quality. The first, by way of example, in the current budget we have used those funds for things like the Colonial Hills just up stream of Forrest Lake Estates to address stream stability along that channel since we were having so much erosion and soil coming off of that site. Constructed wetlands is another piece of that and what we do is try to work with the watersheds, also working with DEQ to identify some of those areas. If there is a neighborhood or business that is interested, that is where we can use some of those dollars to match funds to address water quality. So what we have done is tried to set that aside so that we have that available to do exactly those kind of projects. The second piece of that is to try to cost share or even do a full dedication of that revenue on a developer project where we have a water quality complement that we would like to see. We are working right now on a couple developments to try to implement that as well.

Jon Camp: So these are really un-designated projects, but just setting money aside should something arise.

Nicole Fleck-Tooze: That's right.

Robin Eschliman: I grew up on Gertie Street, that was always a problem with Beal Slough there. Is that one of the 40 houses you are planning to take out of the floodplain? They have done work on Gertie Street for 35 years and it never gets done.

Nicole Fleck-Tooze: Where are we at on Gertie?

Robin Eschliman: Well, that is one of your biggest (Ginny and Gertie) improvements. That's one of your biggest things and for 35 years the City has been working on Gertie Street trying to get those people's basements not to flood. What construction are you doing there?

Nicole Fleck-Tooze: Basically, we would be doing actually that, reducing flooding for the street flooding and for the neighborhood. I don't know, Ben, do we have a specific number that we know for homes?

Ben Higgins: That one on Ginny and Gertie is an urban drainage project, so that's not going to reduce the flooding from Beal Slough. But the 40th & Highway 2 project is where we talked about 40+ houses that we get out of the floodplain. The Gertie Street project is for local drainage because they have too much water coming down and we also want to fix some upstream drainage around 50th & Pioneers, but we can't fix that area until we fix the downstream area. We don't want to make the situation worse by fixing the upstream area first.

Robin Eschliman: So the 40 homes that are in the flood area are further southwest of that?

Ben Higgins: They are more north of that. You know where that big floodplain bubble in Beal Slough is that sits north of Highway 2, a lot of those homes would be taken out. Not every single one of them, but a lot of them.

Nicole Fleck-Tooze then gave a demonstration of the virtual tour on the City's website. Web address www.lincoln.ne.gov and type in keyword 'virtual' will get you to the homepage for the virtual tour. This is a tour of the projects that are being completed with the 2005 stormwater bond issue and you can look them up via map or by list of projects.

Patte Newman: This list is up on the web already so people can see them?

Nicole Fleck-Tooze: We will get it up very shortly (Attachments 'A', 'B', & 'C').

Patte Newman: I know you guys have been very good about getting that out there.

Karl Fredrickson: That is our desire is to let people know where their money has gone and what has it built and the virtual tour is a big part of that along with all our other projects. Antelope Park also in a cost savings measure, I think the Parks Department is going to use that as kind of a tall grass area where they won't have to mow it as often, if at all.

Nicole Fleck-Tooze stated that the resolution will be introduced next week and the public hearing will be on Monday, February 26, and that is part of our schedule to stay on in time for getting it on the ballot. I believe we need you to take action that day for us to get on the ballot. If you have questions or information you need before then please let me know.

CLOSING:

Patte Newman closed the meeting by thanking those giving the presentation.

ATTACHMENTS:

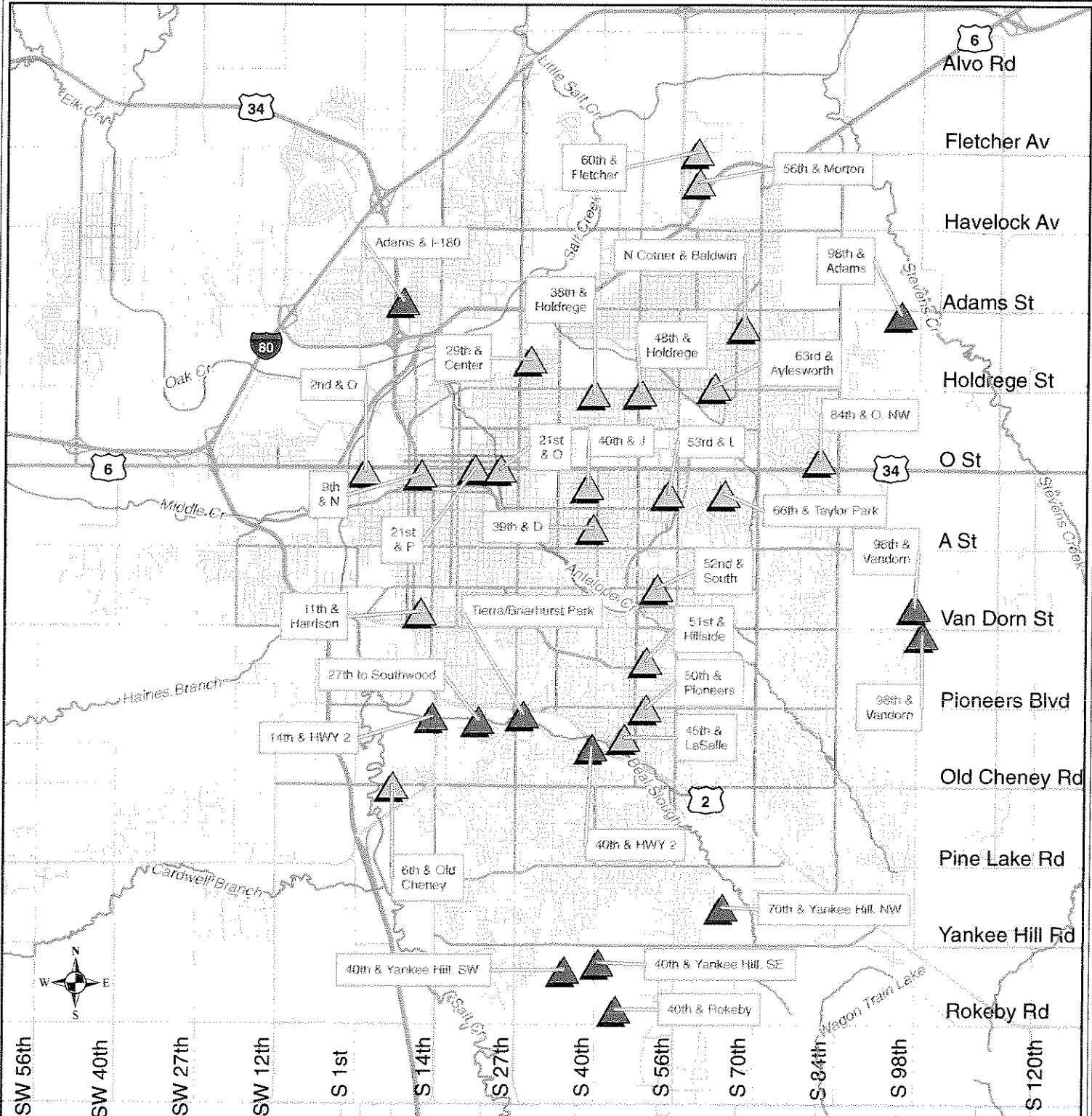
Attachment 'A' – Map (Proposed 2007 Bond Project Locations)

Attachment 'B' – List of Projects for Proposed Stormwater Improvement Bond Issue

Attachment 'C' – List of Projects and Cost Estimates for May 2007 Proposed Bond Issue

Prepared By: Chris Koll, Public Works & Utilities

Public Works & Utilities







* Project locations not yet determined are not shown on map.

* Projects for Master Planned Basins are based on approved watershed master plans. These project locations represent the City's best effort to identify those projects anticipated to be completed based on a priority system, however as implementation proceeds, individual projects implemented within the scope of the master plans may change based on cost-shares, public-private partnerships, and feasibility after design is complete.

Proposed 2007 Stormwater Improvement Bond Issue General Project Locations

Printing Date: February 5, 2007
File: N:\WSM\GIS\07bond\2007Bond_8x11.mxd

Proposed 2007 Bond Project Locations

-  Floodplain / Floodprone Project
-  Projects for Master Planned Basins
-  Stream Rehabilitation on Parks Property
-  Urban Storm Drain Improvements

**CITY OF LINCOLN
PROJECTS FOR PROPOSED STORMWATER
IMPROVEMENT BOND ISSUE**

50th and Pioneers Area Improvements
39th and D Area Improvements
11th and Harrison Area Improvements
48th, Holdrege to Y Area Improvements
29th and Center Area Improvements
63rd and Aylesworth Area Improvements
51st and Hillside Area Improvements
Ginny and Gertie Area Improvements
Holdrege, 38th to 40th Area Improvements
52nd and South Area Improvements
J and L, 53rd to 55th Area Improvements
40th and J to 37th and M Area Improvements
9th and N to 12th and O Area Improvements
Fletcher, 58th to 63rd Area Improvements
21st, P to N Area Improvements
O, 21st to 23rd Area Improvements
2nd, N to O Area Improvements
6th and Old Cheney Area Flood Control Project
Miscellaneous Repairs and Rehabilitations
N. 56th and Morton Area Feasibility Engineering for Flood Control
Preliminary Engineering and Prioritization for Urban Drainage Systems
Preliminary Engineering and Projects for Master Planned Basins
Water Quality Best Management Practice Projects
Floodplain/Floodprone Area Engineering and Projects
Stream Rehabilitation on Park Properties

**Lincoln Proposed Stormwater Bond Issue Projects
For May 2007 Proposed Bond Issue
Projects and Cost Estimates as of 2/5/07**

Urban Storm Drain Area Improvement Projects

50 th and Pioneers Area Improvements	Design	\$80,000
39 th and D Street Area Improvements	Design and Construction	\$500,000
11 th and Harrison Area Improvements	Design	\$180,000
48 th , Holdrege to Y Area Improvements	Design	\$90,000
29 th and Center Area Improvements	Design and Construction	\$200,000
63 rd and Aylesworth Area Improvements	Design	\$160,000
51 st and Hillside Area Improvements	Design and Construction	\$150,000
Ginny and Gertie Area Improvements	Construction	\$1,100,000
Holdrege, 38 th and 40 th Area Improvements	Design	\$90,000
52 nd and South Area Improvements	Design and Construction	\$400,000
J and L, 53 rd to 55 th Area Improvements	Design	\$100,000
40 th and J to 37 th and M Area Improvements	Design	\$180,000
9 th and N to 12 th and O Area Improvements	Design and Construction	\$350,000
Fletcher, 58 th to 63 rd Area Improvements	Design	\$90,000
21 st , P to N Area Improvements	Construction	\$200,000
O, 21 st to 23 rd Area Improvements	Construction	\$120,000
2 nd , N to O Area Improvements	Construction	\$70,000
6 th and Old Cheney Area Flood Control Project	Construction	\$700,000
Miscellaneous Repairs and Rehabilitations	Design and Construction	\$600,000
56 th and Morton Area, Feasibility Engineering for Flood Control	Feasibility Engineering	\$150,000
Preliminary Engineering and Prioritization for Urban Drainage Systems	Preliminary Engineering	\$470,000
		\$5,980,000

Preliminary Engineering and Projects for Master Planned Basins

Preliminary Engineering for Watershed Master Plans	Preliminary Engineering	\$500,000
Riparian Restorations for Easement Areas	Design and Construction	\$40,000
14 th and HWY 2, Beal Slough Flood Control Project	Design and Construction	\$1,270,000
40 th and HWY 2, Beal Slough Flood Control Project	Concept and Design	\$100,000
27 th to Southwood, Beal Slough Stream Stability	Construction	\$300,000
Tierra/Briarhurst Park Beal Slough Water Quality Projects	Design and Construction	\$130,000
Upper Beal Slough Flood Detention Projects	ROW and Construction	\$450,000
40 th and Yankee Hill, SW SEUSC Stream Stability/Water Quality Project	Construction	\$200,000
40 th and Yankee Hill, SE SEUSC Stream Stability/Water Quality Project	Design and Construction	\$150,000
40 th and Rokeby, SEUSC Water Quality Project	Design and Construction	\$100,000
98 th and Adams, Stevens Creek Stream Stability	Construction	\$475,000
98 th and Van Dorn, Stevens Creek Tributary Stream Stability (13)	Construction	\$200,000
98 th and Van Dorn, Stevens Creek Tributary Stream Stability (17)	Design	\$80,000
Stevens Creek and Cardwell Branch Stream Stability Preliminary Engineering	Preliminary Engineering	\$25,000
Cardwell Branch and Dead Man's Run Preliminary Engineering	Preliminary Engineering	\$250,000
		\$4,270,000

Water Quality Best Management Practice Projects

BMP Demonstration Projects	Design and Construction	\$125,000
BMP Site Specific Structural Best Management Practices	Design and Construction	\$125,000
		\$250,000

Floodplain/Floodprone Area Engineering and Projects

Easement/acquisitions for floodplain/ floodprone areas	ROW	\$300,000
Lynn Creek Flood Control	Construction	\$100,000
Salt Creek Flood Control	Preliminary Engineering/ROW	\$200,000
		\$600,000

Stream Rehabilitation on Parks Properties

Taylor Park	Construction	\$400,000
Herbert Park	Design	\$50,000
Tyrrell Park	Design	\$50,000
		\$500,000

TOTALS **\$11,600,000**

* Projects for Master Planned Basins are based on approved watershed master plans. These list of these projects represents the the City's best effort to identify those projects anticipated to be completed based on a priority system, however as implementation proceeds, individual projects implemented within the scope of the master plans may change based on cost-shares, public-private partnerships, and feasibility after design is complete.